

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P395636

Luminaire Tested: **I3-FL-80L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395636  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/6/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: I3-FL-80L92765-1D-UNV-W2A-W-4 (4000K)  
Description: CORELITE I3, FROSTED TOP COVER  
8000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6410.1 lumens  
Efficiency: N/A  
Efficacy: 101.7 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.43 / 1.49  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')  
CIE Type: Semi-Indirect

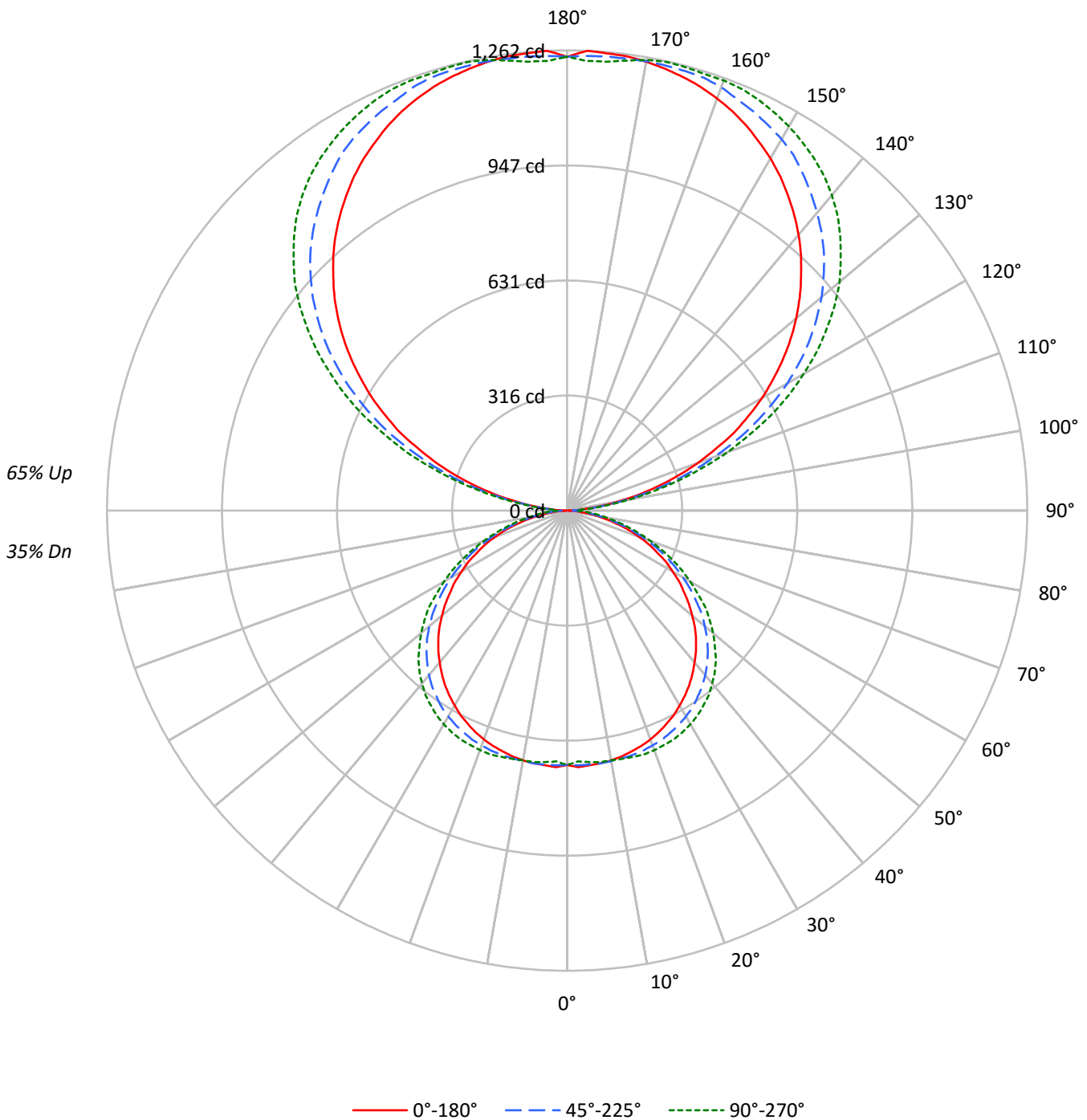
Input Watts (W): 63  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35								
1	94	90	86	83	85	81	78	75	66	63	61	51	49	48	37	36	36	29								
2	86	78	72	67	77	71	66	61	57	53	50	44	42	40	33	31	30	24								
3	78	69	61	55	70	62	56	51	50	46	42	39	36	33	29	27	25	20								
4	71	60	53	47	64	55	48	43	44	39	35	35	31	28	25	23	21	17								
5	65	54	46	40	59	49	42	36	39	34	30	31	27	24	23	20	18	15								
6	60	48	40	34	54	44	37	31	35	30	26	28	24	21	21	18	16	13								
7	55	43	35	30	50	39	32	27	32	27	23	25	21	18	19	16	14	11								
8	51	39	31	26	46	35	29	24	29	24	20	23	19	16	17	14	13	10								
9	47	35	28	23	43	32	26	21	26	21	18	21	17	15	16	13	11	9								
10	44	32	25	20	40	30	23	19	24	19	16	19	16	13	14	12	10	8								

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3834	3834	3834
5°	3853	3770	3711
10°	3854	3719	3667
15°	3846	3687	3652
20°	3846	3654	3647
25°	3836	3622	3633
30°	3823	3588	3601
35°	3804	3530	3547
40°	3766	3456	3470
45°	3727	3349	3363
50°	3642	3201	3199
55°	3538	2999	3007
60°	3419	2763	2717
65°	3250	2476	2413
70°	3019	2110	2038
75°	2626	1677	1621
80°	2050	1192	1187
85°	1112	682	779



TEST NUMBER: P395636

CATALOG NUMBER: I3-FL-80L92765-1D-UNV-W2A-W-4 (4000K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.5	1.0
10°-20°	195.6	3.1
20°-30°	308.4	4.8
30°-40°	387.7	6.0
40°-50°	416.8	6.5
50°-60°	383.4	6.0
60°-70°	293.7	4.6
70°-80°	167.3	2.6
80°-90°	52.2	0.8
90°-100°	69.8	1.1
100°-110°	303.8	4.7
110°-120°	556.2	8.7
120°-130°	716.9	11.2
130°-140°	762.8	11.9
140°-150°	701.8	10.9
150°-160°	556.0	8.7
160°-170°	352.1	5.5
170°-180°	119.2	1.9
0°-30°	570.5	8.9
0°-40°	958.2	14.9
0°-60°	1758.4	27.4
0°-90°	2271.6	35.4
90°-120°	929.8	14.5
90°-150°	3111.3	48.5
90°-180°	4139.0	64.6
0°-180°	6410.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	698	698	698	698	698	
5°	701	694	699	696	692	67
15°	684	680	694	699	699	193
25°	645	647	671	687	692	298
35°	584	591	624	645	652	365
45°	500	512	545	568	577	385
55°	392	407	432	454	463	351
65°	273	281	299	313	318	271
75°	143	147	157	166	171	152
85°	26	33	44	56	59	33
90°	2	5	16	23	26	4
95°	47	45	51	58	59	59
105°	257	269	290	308	313	273
115°	505	528	570	600	615	495
125°	722	753	811	851	869	645
135°	907	937	996	1038	1059	700
145°	1056	1078	1128	1161	1180	661
155°	1164	1178	1208	1232	1243	537
165°	1231	1231	1248	1257	1259	348
175°	1259	1250	1250	1245	1236	120
180°	1245	1245	1245	1245	1245	



TEST NUMBER: P395636

CATALOG NUMBER: I3-FL-80L92765-1D-UNV-W2A-W-4 (4000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	697.5	697.5	697.5	697.5	697.5	697.5	697.5	697.5	697.5	697.5	697.5
2.5°	704.5	702.7	701.0	697.5	697.5	695.7	695.7	695.7	695.7	697.5	699.2
5°	701.0	701.0	699.2	695.7	695.7	694.0	694.0	695.7	694.0	695.7	699.2
7.5°	699.2	699.2	697.5	694.0	694.0	694.0	694.0	694.0	694.0	695.7	699.2
10°	695.7	695.7	692.2	690.5	690.5	690.5	690.5	692.2	692.2	694.0	697.5
12.5°	690.5	688.7	687.0	685.2	685.2	685.2	687.0	688.7	688.7	692.2	695.7
15°	683.5	683.5	681.7	680.0	680.0	680.0	681.7	683.5	685.2	688.7	694.0
17.5°	676.5	676.5	674.7	674.7	674.7	674.7	676.5	678.2	681.7	685.2	690.5
20°	667.7	667.7	666.0	666.0	666.0	667.7	667.7	671.2	674.7	680.0	685.2
22.5°	657.3	657.3	657.3	655.5	657.3	659.0	660.8	664.3	667.7	673.0	680.0
25°	645.0	645.0	645.0	645.0	646.8	646.8	650.3	653.8	657.3	664.3	671.2
27.5°	632.8	632.8	632.8	631.0	634.5	636.3	638.0	643.3	646.8	655.5	662.5
30°	617.1	617.1	617.1	618.8	620.6	622.3	625.8	631.0	634.5	643.3	652.0
32.5°	601.3	601.3	601.3	601.3	606.6	608.3	610.1	615.3	622.3	631.0	639.8
35°	583.8	583.8	583.8	585.6	589.1	590.8	594.3	599.6	606.6	615.3	624.0
37.5°	564.6	566.4	566.4	568.1	571.6	575.1	578.6	583.8	590.8	599.6	608.3
40°	543.6	545.4	545.4	547.1	550.6	554.1	557.6	564.6	571.6	580.3	589.1
42.5°	522.7	524.4	524.4	527.9	531.4	534.9	538.4	545.4	552.4	561.1	568.1
45°	499.9	501.7	501.7	505.2	510.4	512.2	517.4	524.4	531.4	538.4	545.4
47.5°	475.5	477.2	477.2	480.7	486.0	489.4	492.9	499.9	505.2	513.9	520.9
50°	447.5	449.2	451.0	454.5	461.5	465.0	468.5	473.7	480.7	486.0	492.9
52.5°	421.3	421.3	423.0	426.5	431.8	435.3	437.0	442.3	451.0	458.0	465.0
55°	391.6	393.3	395.1	398.6	403.8	407.3	409.0	414.3	419.5	424.8	431.8
57.5°	365.3	365.3	367.1	370.6	375.8	377.6	379.3	382.8	389.8	395.1	400.3
60°	333.9	335.6	337.4	340.9	344.4	347.9	347.9	353.1	358.3	363.6	367.1
62.5°	305.9	305.9	307.7	311.1	312.9	316.4	316.4	321.6	325.1	330.4	333.9
65°	272.7	274.4	276.2	277.9	281.4	281.4	283.2	286.7	290.2	293.7	298.9
67.5°	243.0	243.0	244.7	246.5	248.2	248.2	250.0	253.5	257.0	260.5	264.0
70°	209.8	211.5	211.5	211.5	213.3	215.0	216.8	218.5	222.0	223.7	227.2
72.5°	176.6	176.6	178.3	178.3	180.0	181.8	183.5	185.3	187.0	190.5	192.3
75°	143.3	143.3	145.1	145.1	146.8	146.8	146.8	150.3	152.1	155.6	157.3
77.5°	110.1	111.9	111.9	111.9	113.6	115.4	115.4	117.1	120.6	122.4	124.1
80°	80.4	80.4	80.4	80.4	82.2	83.9	85.7	85.7	89.1	92.6	94.4
82.5°	50.7	50.7	52.4	54.2	54.2	55.9	57.7	59.4	62.9	64.7	66.4
85°	26.2	26.2	28.0	29.7	31.5	33.2	33.2	35.0	38.5	42.0	43.7
87.5°	8.7	10.5	10.5	12.2	14.0	15.7	17.5	19.2	22.7	26.2	28.0
90°	1.7	1.7	1.7	3.5	5.2	5.2	7.0	8.7	10.5	12.2	15.7
92.5°	15.7	15.7	14.0	15.7	15.7	15.7	15.7	17.5	19.2	19.2	22.7
95°	47.2	45.4	45.4	45.4	45.4	45.4	45.4	47.2	48.9	48.9	50.7
97.5°	90.9	90.9	89.1	89.1	90.9	90.9	90.9	92.6	96.1	94.4	97.9
100°	141.6	141.6	139.8	141.6	143.3	145.1	148.6	148.6	152.1	152.1	157.3
102.5°	199.3	199.3	197.5	201.0	202.8	206.3	206.3	209.8	215.0	215.0	222.0
105°	257.0	258.7	258.7	262.2	265.7	269.2	269.2	274.4	281.4	281.4	290.2
107.5°	319.9	321.6	321.6	325.1	328.6	332.1	333.9	340.9	347.9	349.6	360.1
110°	381.1	382.8	384.6	388.1	391.6	396.8	400.3	407.3	416.0	419.5	428.3



TEST NUMBER: P395636

CATALOG NUMBER: I3-FL-80L92765-1D-UNV-W2A-W-4 (4000K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	438.8	445.7	447.5	452.7	458.0	463.2	466.7	475.5	486.0	491.2	501.7
115°	505.2	508.7	510.4	515.7	522.7	527.9	531.4	540.1	550.6	557.6	569.9
117.5°	559.4	568.1	569.9	575.1	582.1	587.3	590.8	601.3	613.6	622.3	634.5
120°	617.1	624.0	631.0	634.5	639.8	646.8	650.3	660.8	674.7	683.5	697.5
122.5°	669.5	676.5	683.5	688.7	695.7	699.2	704.5	716.7	730.7	741.2	755.1
125°	721.9	730.7	735.9	741.2	749.9	753.4	758.6	770.9	784.9	797.1	811.1
127.5°	772.6	777.9	786.6	790.1	798.8	802.3	807.6	821.6	835.6	847.8	861.8
130°	819.8	826.8	833.8	835.6	846.0	851.3	856.5	868.8	884.5	896.7	910.7
132.5°	865.3	868.8	877.5	882.8	891.5	896.7	902.0	912.5	928.2	940.4	954.4
135°	907.2	910.7	921.2	926.5	931.7	936.9	943.9	954.4	970.2	982.4	996.4
137.5°	949.2	952.7	963.2	968.4	971.9	977.1	982.4	992.9	1008.6	1020.8	1033.1
140°	987.6	991.1	998.1	1005.1	1008.6	1012.1	1017.4	1027.8	1041.8	1054.1	1066.3
142.5°	1022.6	1026.1	1033.1	1040.1	1045.3	1045.3	1050.6	1059.3	1075.0	1087.3	1097.8
145°	1055.8	1057.6	1064.5	1071.5	1078.5	1078.5	1080.3	1089.0	1103.0	1117.0	1127.5
147.5°	1087.3	1089.0	1094.3	1101.3	1106.5	1108.3	1111.7	1115.2	1129.2	1143.2	1155.4
150°	1115.2	1117.0	1120.5	1127.5	1131.0	1134.5	1138.0	1139.7	1150.2	1162.4	1176.4
152.5°	1139.7	1141.5	1145.0	1150.2	1153.7	1157.2	1160.7	1165.9	1171.2	1183.4	1192.2
155°	1164.2	1165.9	1167.7	1172.9	1176.4	1178.2	1179.9	1186.9	1192.2	1199.1	1207.9
157.5°	1185.2	1185.2	1186.9	1190.4	1193.9	1193.9	1195.7	1202.6	1207.9	1214.9	1220.1
160°	1202.6	1202.6	1204.4	1207.9	1207.9	1209.6	1211.4	1216.6	1220.1	1228.9	1235.9
162.5°	1218.4	1216.6	1218.4	1220.1	1220.1	1220.1	1221.9	1225.4	1230.6	1237.6	1244.6
165°	1230.6	1230.6	1230.6	1232.4	1232.4	1230.6	1230.6	1234.1	1237.6	1242.8	1248.1
167.5°	1241.1	1241.1	1239.4	1241.1	1239.4	1239.4	1237.6	1239.4	1241.1	1246.3	1249.8
170°	1249.8	1248.1	1248.1	1248.1	1246.3	1244.6	1244.6	1244.6	1244.6	1248.1	1251.6
172.5°	1256.8	1255.1	1253.3	1253.3	1249.8	1248.1	1248.1	1246.3	1246.3	1248.1	1249.8
175°	1258.6	1256.8	1255.1	1255.1	1251.6	1249.8	1248.1	1248.1	1246.3	1248.1	1249.8
177.5°	1262.1	1260.3	1256.8	1256.8	1253.3	1249.8	1249.8	1248.1	1246.3	1248.1	1248.1
180°	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	697.5	697.5	697.5	697.5	697.5	697.5	697.5	697.5	697.5	697.5
2.5°	701.0	701.0	699.2	697.5	697.5	695.7	694.0	692.2	690.5	688.7
5°	701.0	699.2	697.5	697.5	695.7	695.7	695.7	694.0	692.2	692.2
7.5°	701.0	701.0	699.2	697.5	697.5	697.5	697.5	697.5	695.7	695.7
10°	701.0	699.2	699.2	699.2	697.5	699.2	699.2	697.5	697.5	695.7
12.5°	699.2	699.2	699.2	699.2	699.2	699.2	699.2	699.2	699.2	697.5
15°	695.7	697.5	697.5	699.2	699.2	699.2	701.0	701.0	699.2	699.2
17.5°	694.0	695.7	697.5	699.2	699.2	699.2	701.0	701.0	701.0	701.0
20°	690.5	692.2	694.0	695.7	695.7	697.5	697.5	699.2	699.2	699.2
22.5°	683.5	685.2	688.7	690.5	692.2	694.0	695.7	695.7	695.7	695.7
25°	676.5	680.0	681.7	685.2	687.0	688.7	690.5	690.5	690.5	692.2
27.5°	667.7	671.2	676.5	678.2	680.0	681.7	683.5	685.2	685.2	685.2
30°	657.3	662.5	666.0	669.5	671.2	673.0	674.7	674.7	676.5	676.5
32.5°	645.0	650.3	653.8	657.3	659.0	660.8	664.3	664.3	666.0	666.0
35°	629.3	634.5	639.8	643.3	645.0	646.8	650.3	652.0	652.0	652.0
37.5°	613.6	618.8	624.0	629.3	631.0	632.8	636.3	636.3	638.0	638.0
40°	594.3	599.6	604.8	610.1	610.1	613.6	615.3	617.1	618.8	618.8
42.5°	575.1	580.3	583.8	589.1	590.8	592.6	594.3	597.8	597.8	599.6
45°	552.4	557.6	561.1	566.4	568.1	569.9	573.4	575.1	576.8	576.8
47.5°	527.9	531.4	534.9	540.1	543.6	545.4	547.1	548.9	550.6	548.9
50°	499.9	503.4	508.7	513.9	515.7	517.4	520.9	520.9	522.7	522.7
52.5°	470.2	475.5	479.0	484.2	486.0	487.7	491.2	491.2	492.9	492.9
55°	437.0	440.5	444.0	452.7	454.5	456.2	459.7	459.7	461.5	463.2
57.5°	405.5	407.3	412.5	416.0	419.5	419.5	421.3	423.0	424.8	424.8
60°	372.3	374.1	377.6	382.8	382.8	384.6	388.1	388.1	389.8	389.8
62.5°	337.4	340.9	344.4	349.6	347.9	349.6	353.1	353.1	354.8	354.8
65°	302.4	304.2	307.7	311.1	312.9	312.9	314.6	316.4	318.1	318.1
67.5°	265.7	269.2	270.9	276.2	274.4	276.2	277.9	277.9	279.7	279.7
70°	230.7	232.5	236.0	237.7	237.7	239.5	241.2	241.2	241.2	243.0
72.5°	195.8	197.5	199.3	201.0	201.0	202.8	204.5	204.5	206.3	206.3
75°	159.1	162.6	164.3	167.8	166.1	167.8	171.3	171.3	171.3	171.3
77.5°	127.6	129.4	132.9	134.6	134.6	134.6	138.1	136.3	138.1	138.1
80°	96.1	97.9	101.4	103.1	103.1	104.9	106.6	106.6	106.6	108.4
82.5°	68.2	71.7	75.2	76.9	76.9	78.7	80.4	80.4	82.2	82.2
85°	47.2	50.7	54.2	54.2	55.9	57.7	59.4	59.4	59.4	59.4
87.5°	31.5	33.2	35.0	36.7	38.5	38.5	40.2	40.2	42.0	42.0
90°	17.5	19.2	21.0	22.7	22.7	24.5	24.5	26.2	26.2	26.2
92.5°	24.5	24.5	26.2	28.0	28.0	28.0	28.0	29.7	29.7	29.7
95°	52.4	54.2	54.2	57.7	57.7	57.7	59.4	59.4	59.4	59.4
97.5°	101.4	101.4	101.4	104.9	104.9	104.9	106.6	106.6	106.6	108.4
100°	159.1	160.8	160.8	166.1	164.3	167.8	167.8	167.8	167.8	169.6
102.5°	223.7	227.2	229.0	234.2	234.2	234.2	237.7	236.0	237.7	237.7
105°	293.7	297.2	298.9	304.2	307.7	307.7	311.1	309.4	311.1	312.9
107.5°	363.6	368.8	372.3	377.6	381.1	382.8	382.8	384.6	386.3	388.1
110°	435.3	440.5	449.2	454.5	456.2	459.7	461.5	463.2	465.0	468.5





TEST NUMBER: P395636

CATALOG NUMBER: I3-FL-80L92765-1D-UNV-W2A-W-4 (4000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	510.4	515.7	522.7	529.7	527.9	533.1	536.6	538.4	540.1	538.4
115°	578.6	585.6	592.6	599.6	599.6	603.1	610.1	611.8	611.8	615.3
117.5°	643.3	652.0	659.0	666.0	667.7	671.2	676.5	681.7	681.7	685.2
120°	706.2	716.7	723.7	730.7	734.2	735.9	741.2	748.2	748.2	748.2
122.5°	765.6	774.4	783.1	790.1	793.6	797.1	800.6	809.3	809.3	812.8
125°	821.6	832.1	840.8	847.8	851.3	854.8	861.8	867.0	868.8	868.8
127.5°	874.0	884.5	893.2	902.0	903.7	907.2	914.2	921.2	923.0	924.7
130°	923.0	933.4	942.2	950.9	954.4	956.2	964.9	970.2	973.7	975.4
132.5°	966.7	977.1	985.9	994.6	998.1	1001.6	1006.9	1015.6	1017.4	1017.4
135°	1006.9	1017.4	1026.1	1036.6	1038.3	1041.8	1048.8	1054.1	1057.6	1059.3
137.5°	1043.6	1054.1	1064.5	1073.3	1076.8	1078.5	1085.5	1092.5	1096.0	1097.8
140°	1076.8	1087.3	1097.8	1104.8	1106.5	1111.7	1117.0	1124.0	1127.5	1129.2
142.5°	1108.3	1117.0	1125.7	1134.5	1136.2	1139.7	1145.0	1152.0	1155.4	1157.2
145°	1136.2	1145.0	1152.0	1158.9	1160.7	1164.2	1169.4	1174.7	1178.2	1179.9
147.5°	1162.4	1169.4	1176.4	1181.7	1183.4	1186.9	1190.4	1193.9	1197.4	1199.1
150°	1185.2	1188.7	1195.7	1199.1	1200.9	1204.4	1207.9	1211.4	1214.9	1216.6
152.5°	1202.6	1207.9	1211.4	1216.6	1218.4	1220.1	1223.6	1227.1	1230.6	1230.6
155°	1216.6	1221.9	1225.4	1230.6	1232.4	1234.1	1237.6	1239.4	1242.8	1242.8
157.5°	1227.1	1232.4	1235.9	1239.4	1241.1	1242.8	1244.6	1248.1	1251.6	1251.6
160°	1239.4	1241.1	1242.8	1246.3	1246.3	1248.1	1249.8	1251.6	1255.1	1255.1
162.5°	1249.8	1251.6	1248.1	1249.8	1248.1	1249.8	1251.6	1253.3	1255.1	1255.1
165°	1253.3	1256.8	1255.1	1256.8	1256.8	1256.8	1256.8	1258.6	1258.6	1258.6
167.5°	1253.3	1256.8	1255.1	1255.1	1256.8	1256.8	1258.6	1260.3	1260.3	1260.3
170°	1253.3	1255.1	1253.3	1251.6	1253.3	1253.3	1253.3	1255.1	1255.1	1255.1
172.5°	1251.6	1253.3	1249.8	1248.1	1248.1	1248.1	1246.3	1246.3	1244.6	1244.6
175°	1249.8	1249.8	1246.3	1244.6	1244.6	1244.6	1241.1	1239.4	1237.6	1235.9
177.5°	1248.1	1248.1	1242.8	1241.1	1241.1	1239.4	1239.4	1235.9	1235.9	1234.1
180°	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6

(END OF REPORT)